



Water-Data Report 2008

**02191245 HUDSON RIVER AT US 29, NEAR FORT LAMAR, GA**

Savannah Basin  
Broad Subbasin

LOCATION.--Lat 34°14'23", long 83°10'45" referenced to North American Datum of 1927, Madison County, GA, Hydrologic Unit 03060104, at downstream side of bridge on US 29, 1.8 miles downstream from confluence with Nails Creek, .4 mile upstream from confluence with Broad River, 8.2 miles east of Fort Lamar.

DRAINAGE AREA.--306 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--January 2007 to December 2007 (discontinued).

REMARKS.--Analyzing agency is represented by the five-digit code listed under USGS Water Science Center special parameter code 99920. Laboratory analyses with analyzing agency code 81330 are by the Agricultural and Environmental Services Laboratory, College of Agricultural and Environmental Sciences, The University of Georgia, Athens, Georgia; laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

COOPERATION.--Georgia Department of Natural Resources, Environmental Protection Division.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[Remark codes: <, less than.]

Date	Time	Time Datum	Agency collecting sample, code	Gage height, feet (00065)	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specific conductance, wat unfltrd lab, μS/cm 25 degC (90095)	Specific conductance, wat unfltrd lab, μS/cm 25 degC (00095)	Temperature, air, deg C (00020)
<b>Oct</b>													
17...	1015	EST	USGS-WRD	1.44	44	748	9.2	98	7.3	7.3	73	73	21.1
<b>Nov</b>													
07...	1145	EST	USGS-WRD	1.53	50	752	10.5	92	7.7	7.3	75	71	10.7
<b>Dec</b>													
12...	1145	EST	USGS-WRD	1.83	78	752	11.3	108	7.8	7.1	71	71	22.7

## 02191245 HUDSON RIVER AT US 29, NEAR FORT LAMAR, GA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

[Remark codes: &lt;, less than.]

Date	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, unfitrd mg/L as N (00625)	Ammonia water, unfitrd mg/L as N (00610)	Nitrate + nitrite water unfitrd mg/L as N (00630)	Ortho- phos- phate, water, fitrd, mg/L as P (00671)	Phos- phorus, water, unfitrd mg/L as P (00665)	Organic carbon, water, unfitrd mg/L (00680)	BOD, water, unfitrd 5 day, 20 degC mg/L (00310)	USGS Water Science Center special 99920 (99920)
<b>Oct</b>											
<b>17...</b>	17.5	28	9	.270	<.030	.220	<.0200	.04	4.0	1.6	81330
<b>Nov</b>											
<b>07...</b>	9.1	28	5	.060	<.030	.220	<.0200	.03	6.4	1.7	81330
<b>Dec</b>											
<b>12...</b>	12.5	29	15	.360	<.030	.280	<.0200	.03	4.2	1.3	81330